

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121521\
 Data File : VW021396.D
 Acq On : 15 Dec 2021 17:54
 Operator : SY/VA
 Sample : M5101-13
 Misc : 7.42g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 16 01:00:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 16 00:57:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	102427	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	100456	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	62092	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	32187	17.254	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.000%
7) Chloroethane-d5	2.879	69	26896	21.810	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.240%
11) 1,1-Dichloroethene-d2	4.031	63	161447	64.916	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	259.680%#
21) 2-Butanone-d5	7.086	46	15452	58.763	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.520%
24) Chloroform-d	7.647	84	62123	21.764	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.040%
26) 1,2-Dichloroethane-d4	8.305	65	34839	22.945	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	8.268	84	114662	20.824	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.280%
36) 1,2-Dichloropropane-d6	9.274	67	32999	22.346	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.400%
41) Toluene-d8	10.323	98	111809	19.873	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.480%
43) trans-1,3-Dichloroprop...	10.573	79	15291	22.488	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.960%
47) 2-Hexanone-d5	10.926	63	11976	54.843	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.680%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	32218	25.379	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.520%
66) 1,2-Dichlorobenzene-d4	13.853	152	47610	19.785	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.120%
Target Compounds						
						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	19334	13.670	ug/L	93
12) 1,1-Dichloroethene	4.037	96	257485	202.804	ug/L #	59
19) 1,1-Dichloroethane	6.214	63	47407	21.976	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	4969733	2204.903	ug/L #	92
31) Carbon tetrachloride	7.872	117	661603	318.196	ug/L	99
34) Trichloroethene	9.091	95	838575	545.886	ug/L	93
35) Methylcyclohexane	9.274	83	9171	3.619	ug/L #	14
37) 1,2-Dichloropropane	9.274	63	4257	3.488	ug/L #	88
39) cis-1,3-Dichloropropene	10.030	75	1229	0.639	ug/L	90
42) Toluene	10.384	91	196631	30.723	ug/L	99
45) 1,1,2-Trichloroethane	10.792	97	609	0.610	ug/L	91
46) Tetrachloroethene	10.865	164	6728218	4610.563	ug/L	97
48) 2-Hexanone	10.920	43	1409	2.921	ug/L #	71
52) Ethylbenzene	11.731	91	5037	0.689	ug/L	94
53) m,p-Xylene	11.835	106	11914	4.038	ug/L	89
54) o-Xylene	12.164	106	4073	1.455	ug/L	88
63) 1,2,4-Trimethylbenzene	13.249	105	5891	0.832	ug/L	94
71) Naphthalene	15.365	128	5212	1.341	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Thu Dec 16 00:57:02 2021
Response via : Initial Calibration

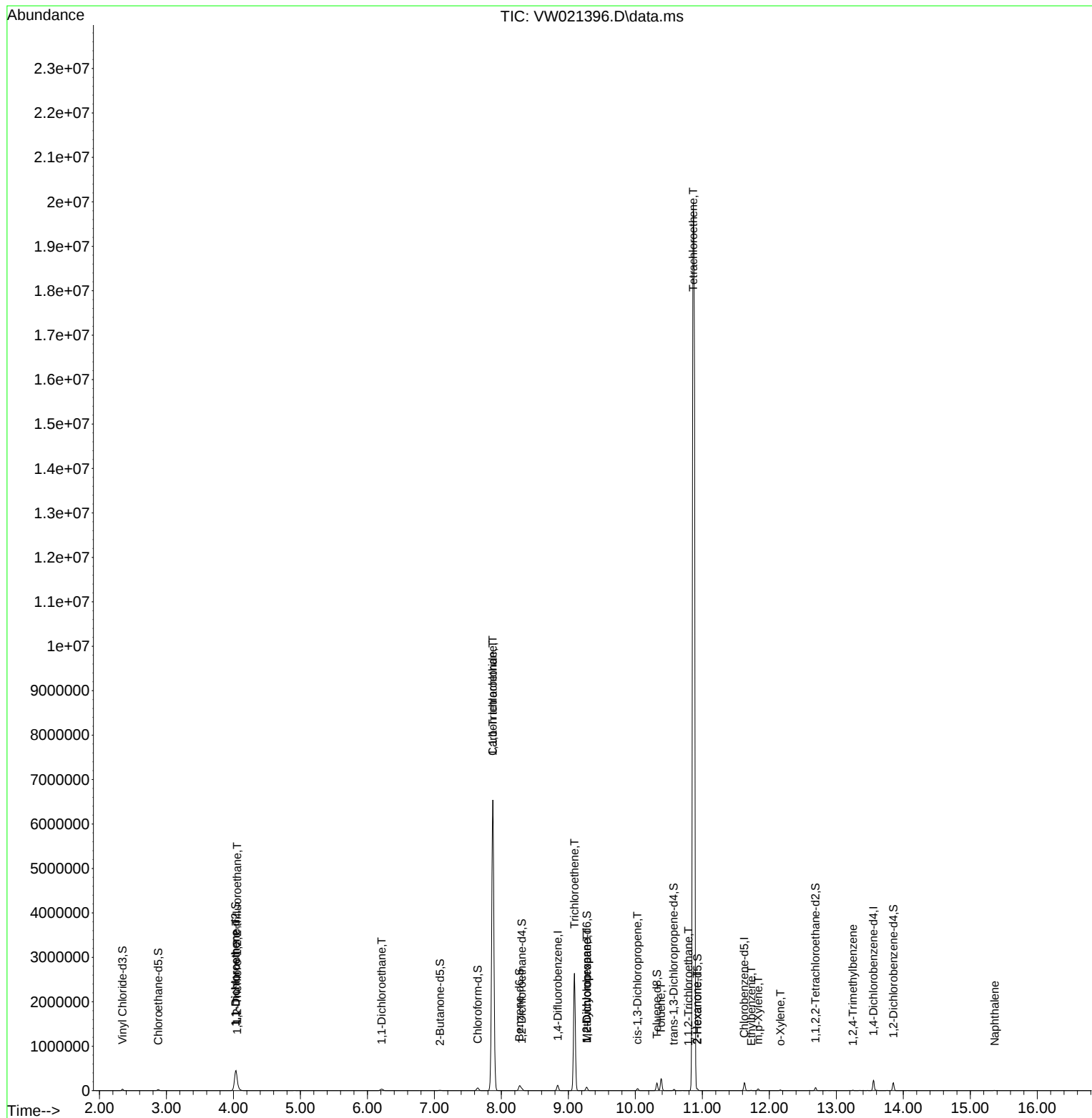
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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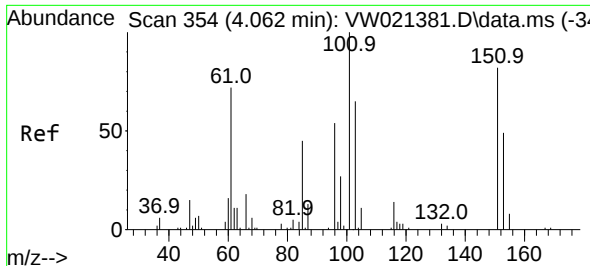
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 13.670 ug/L

RT: 4.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VW021396.D

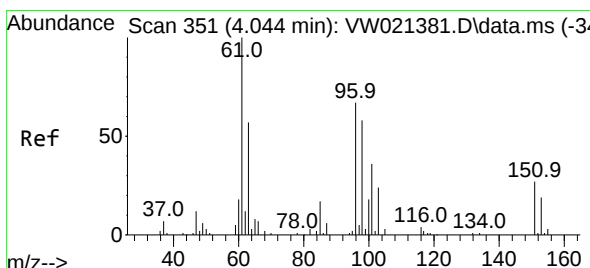
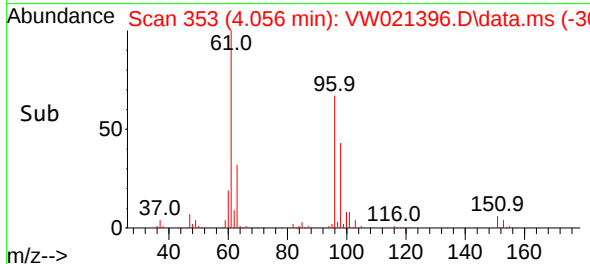
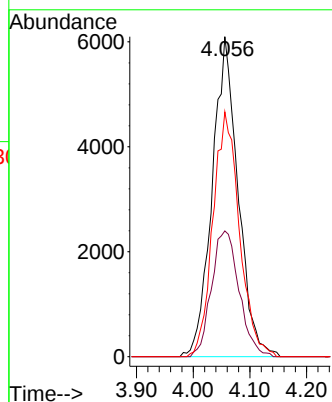
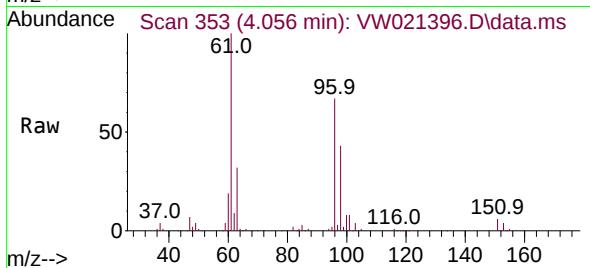
Acq: 15 Dec 2021 17:54

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	101	Resp:	19334
Ion	Ratio	Lower	Upper
101	100		
85	41.7	36.6	54.8
151	78.0	57.4	86.0



#12

1,1-Dichloroethene

Concen: 202.804 ug/L

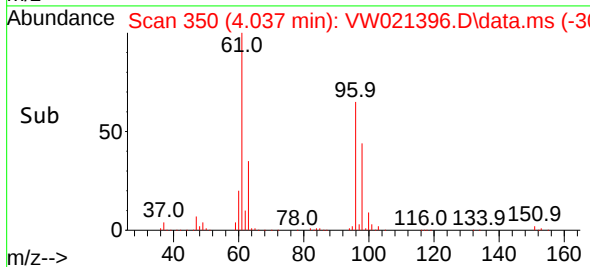
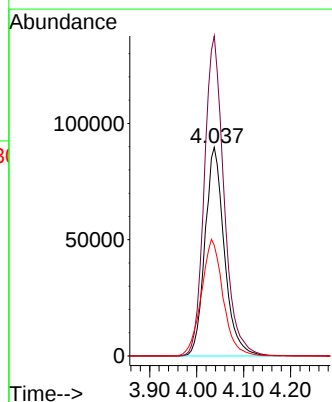
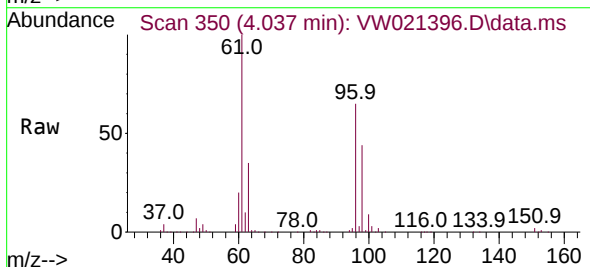
RT: 4.037 min Scan# 350

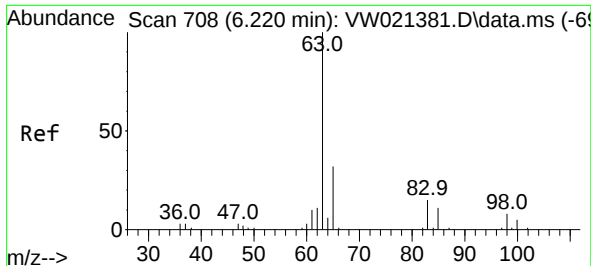
Delta R.T. -0.006 min

Lab File: VW021396.D

Acq: 15 Dec 2021 17:54

Tgt Ion:	96	Resp:	257485
Ion	Ratio	Lower	Upper
96	100		
61	153.4	138.3	256.9
63	53.0	82.6	153.4





#19

1,1-Dichloroethane

Concen: 21.976 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.006 min

Lab File: VW021396.D

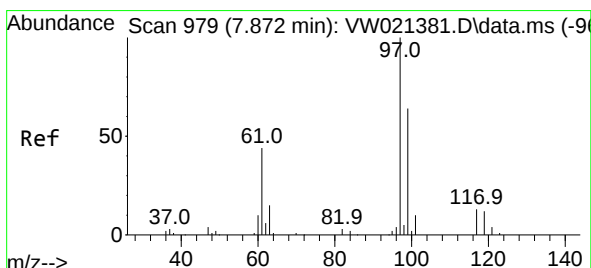
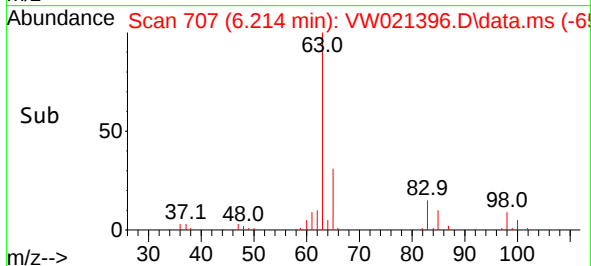
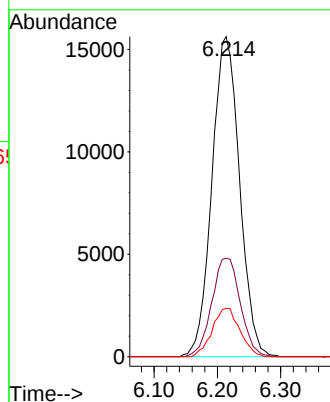
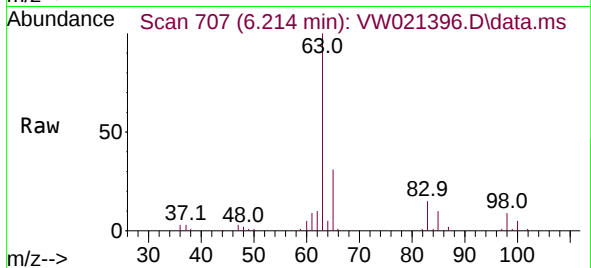
Acq: 15 Dec 2021 17:54

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	63	Resp:	47407
Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.1	41.1
83	15.1	9.2	17.2



#30

1,1,1-Trichloroethane

Concen: 2204.903 ug/L

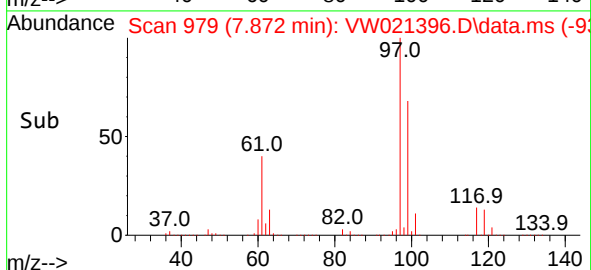
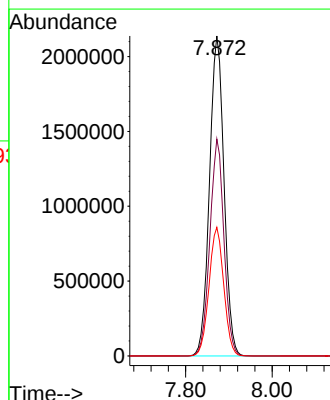
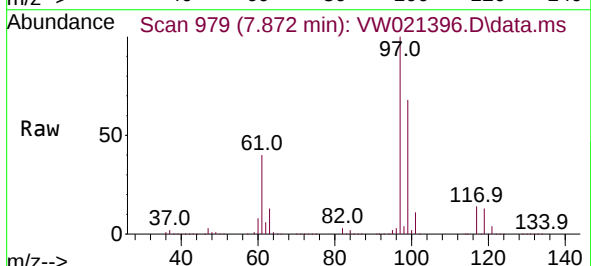
RT: 7.872 min Scan# 979

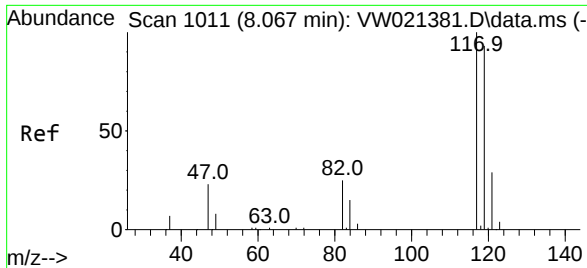
Delta R.T. -0.000 min

Lab File: VW021396.D

Acq: 15 Dec 2021 17:54

Tgt Ion:	97	Resp:	4969733
Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.6	77.4
61	40.9	40.9	61.3

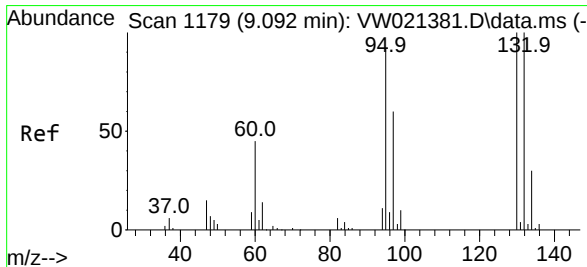
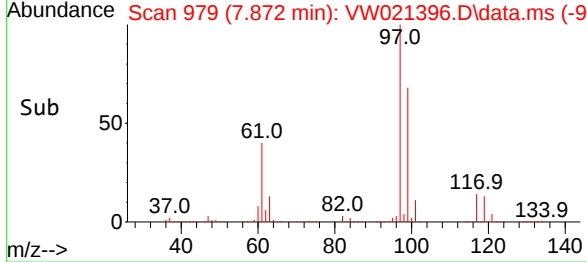
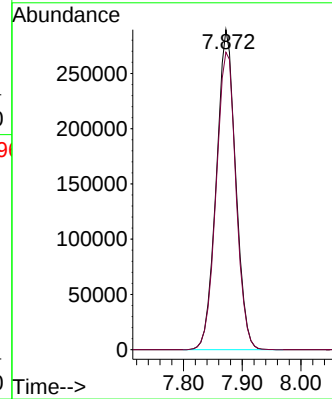
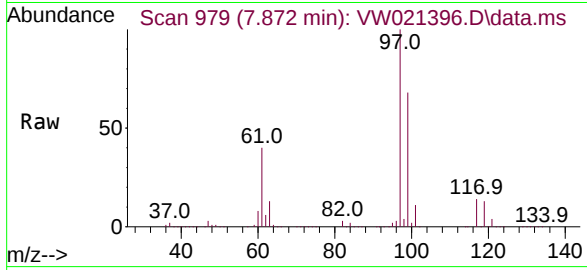




#31
Carbon tetrachloride
Concen: 318.196 ug/L
RT: 7.872 min Scan# 911
Delta R.T. -0.195 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

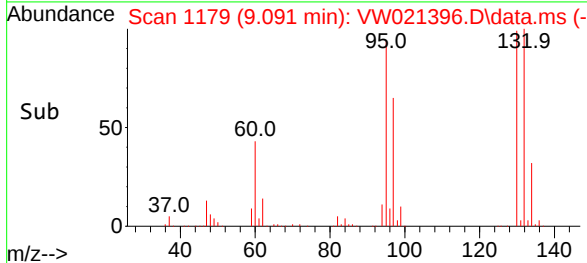
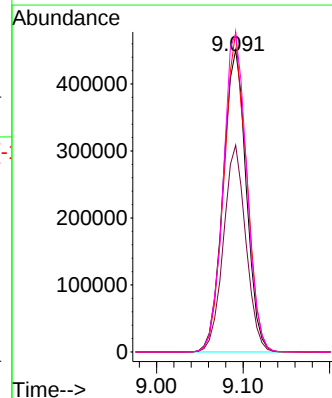
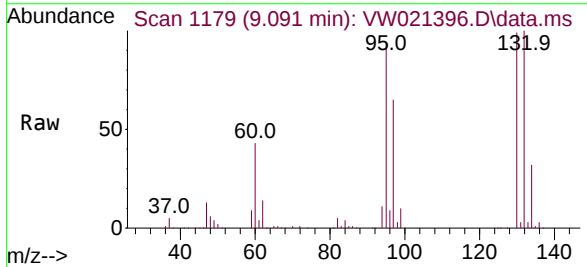
Instrument :
MSVOA_W
ClientSampleId :

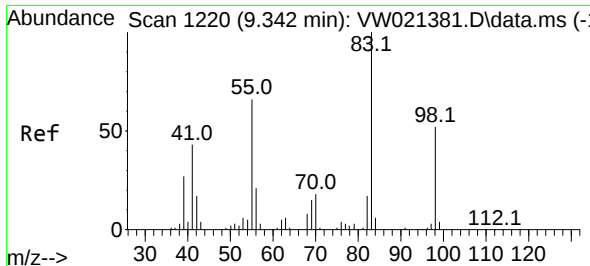
Tgt Ion:117 Resp: 661603
Ion Ratio Lower Upper
117 100
119 95.6 75.7 113.5



#34
Trichloroethene
Concen: 545.886 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

Tgt Ion: 95 Resp: 838575
Ion Ratio Lower Upper
95 100
97 68.4 47.0 87.2
132 105.9 65.5 121.6
130 105.3 69.4 128.8





#35

Methylcyclohexane

Concen: 3.619 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.067 min

Lab File: VW021396.D

Acq: 15 Dec 2021 17:54

Instrument :

MSVOA_W

ClientSampleId :

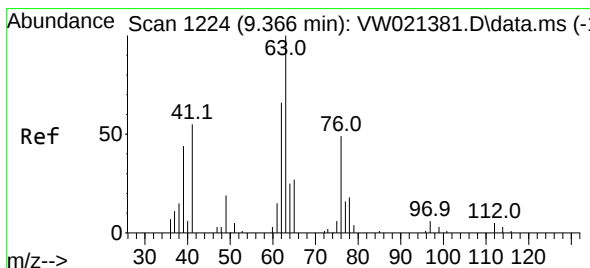
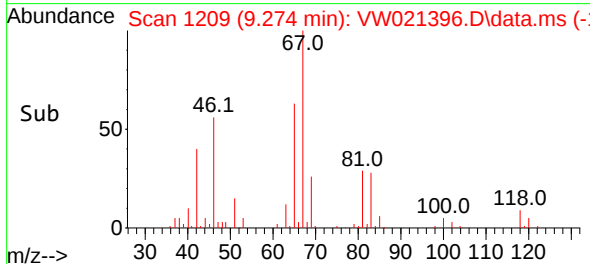
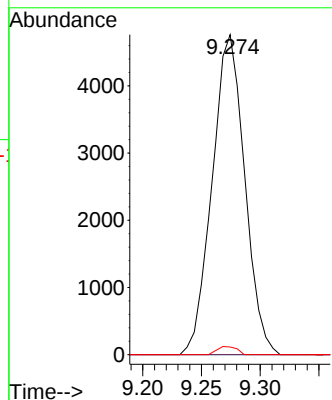
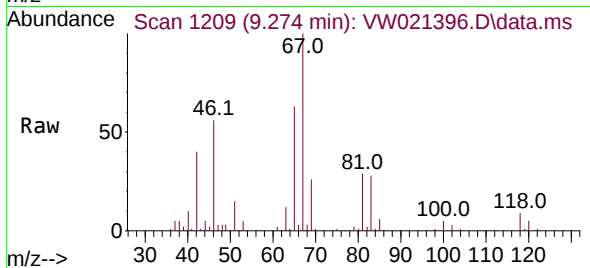
Tgt Ion: 83 Resp: 9171

Ion Ratio Lower Upper

83 100

55 0.0 70.8 106.2#

98 1.5 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 3.488 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.092 min

Lab File: VW021396.D

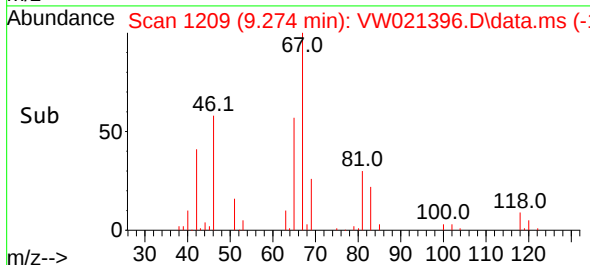
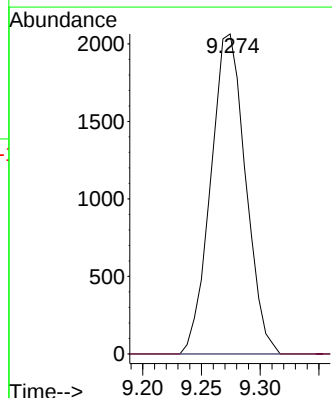
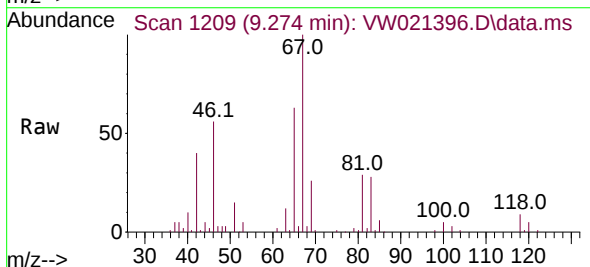
Acq: 15 Dec 2021 17:54

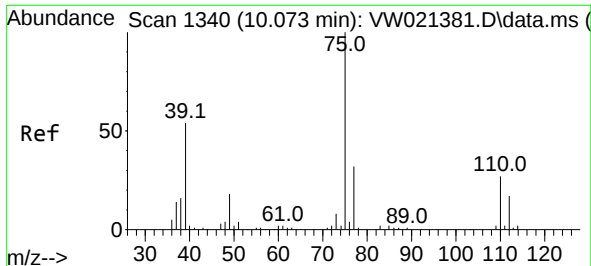
Tgt Ion: 63 Resp: 4257

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#

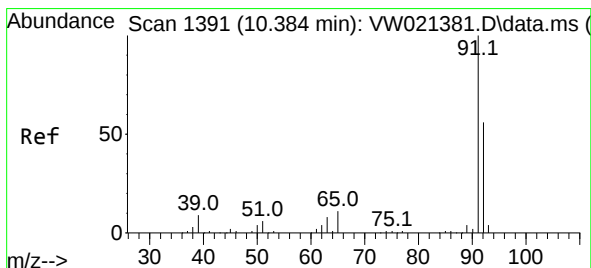
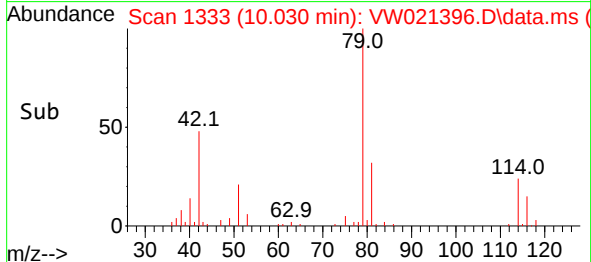
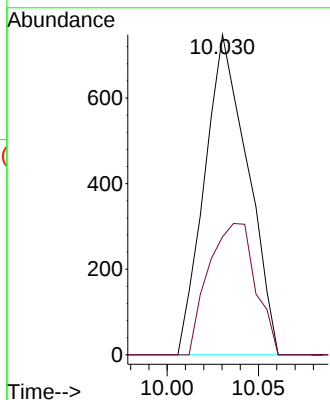
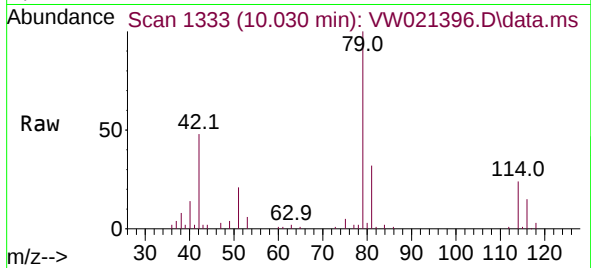




#39
cis-1,3-Dichloropropene
Concen: 0.639 ug/L
RT: 10.030 min Scan# 11
Delta R.T. -0.043 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

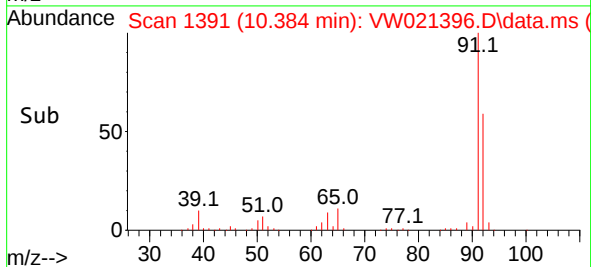
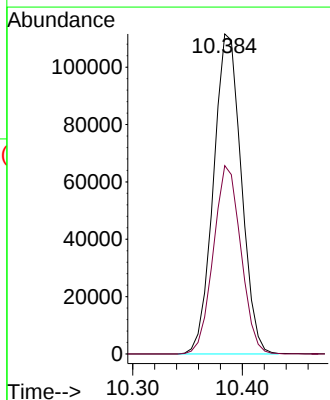
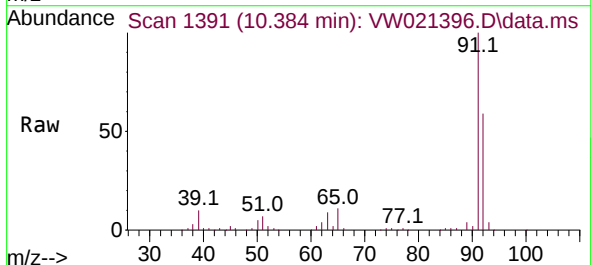
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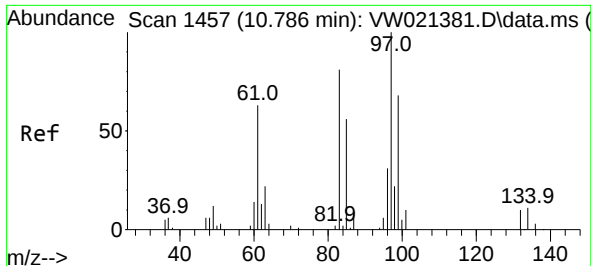
Tgt Ion: 75 Resp: 1229
Ion Ratio Lower Upper
75 100
77 36.9 21.8 40.6



#42
Toluene
Concen: 30.723 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

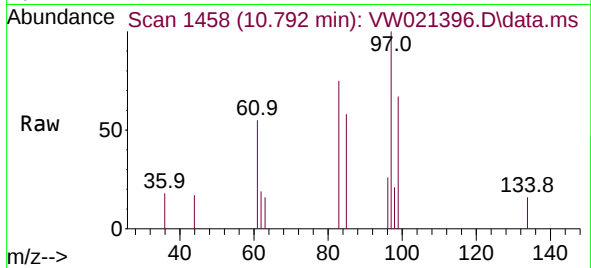
Tgt Ion: 91 Resp: 196631
Ion Ratio Lower Upper
91 100
92 58.8 41.7 77.5



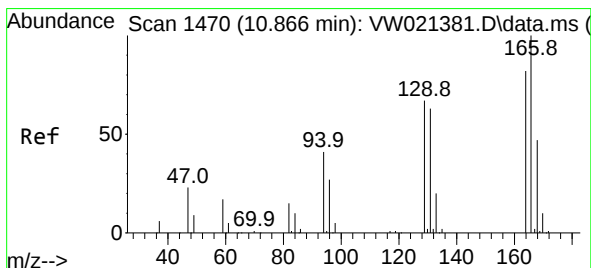
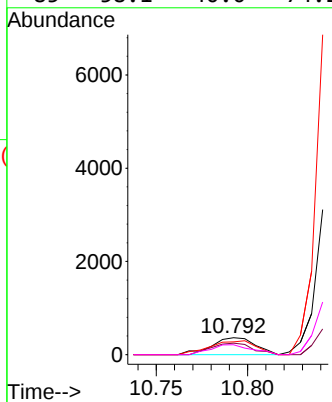
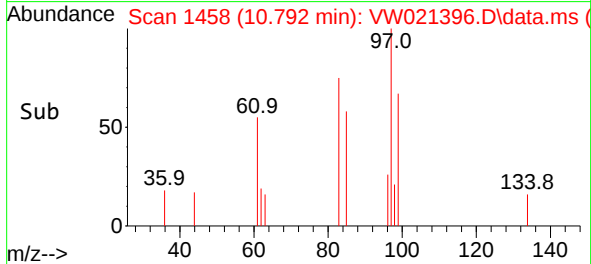


#45
1,1,2-Trichloroethane
Concen: 0.610 ug/L
RT: 10.792 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

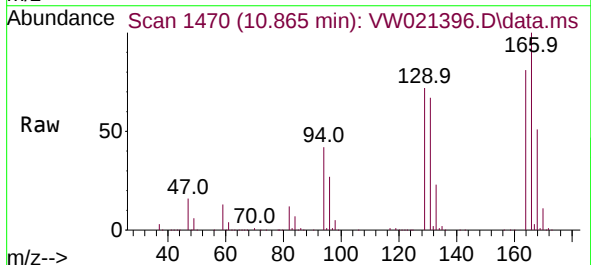
Instrument :
MSVOA_W
ClientSampleId :



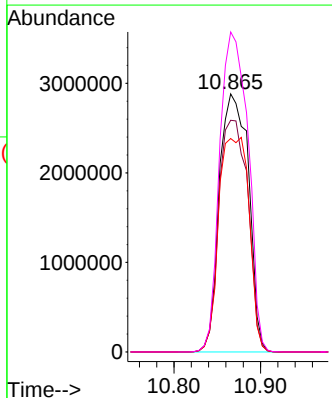
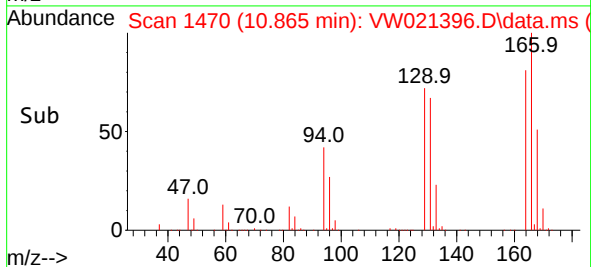
Tgt Ion: 97 Resp: 609
Ion Ratio Lower Upper
97 100
99 67.4 43.0 79.8
83 75.1 62.6 116.3
85 58.1 40.0 74.2

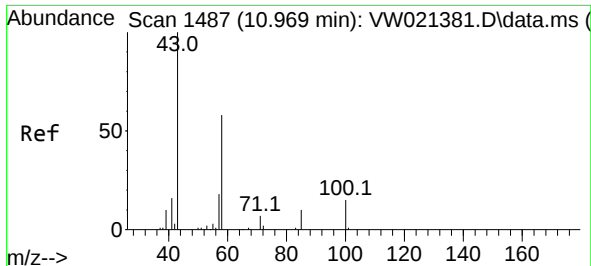


#46
Tetrachloroethene
Concen: 4610.563 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54



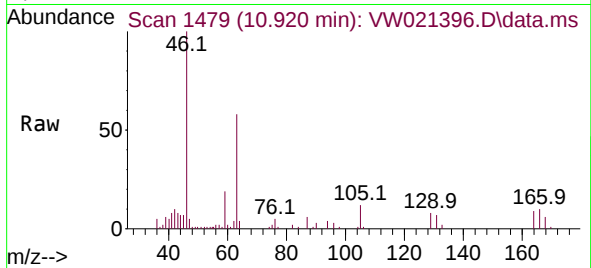
Tgt Ion: 164 Resp: 6728218
Ion Ratio Lower Upper
164 100
129 89.8 65.5 121.7
131 82.8 59.7 110.9
166 124.0 88.7 164.7



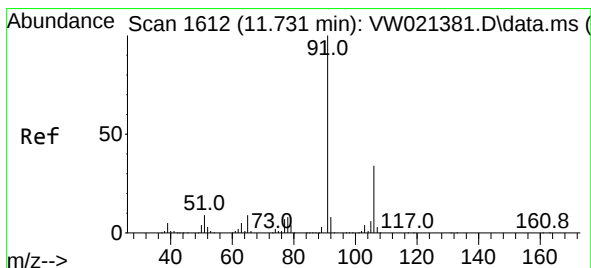
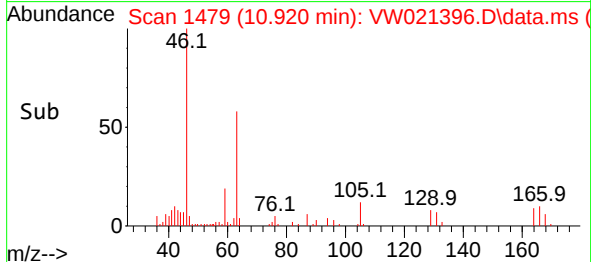
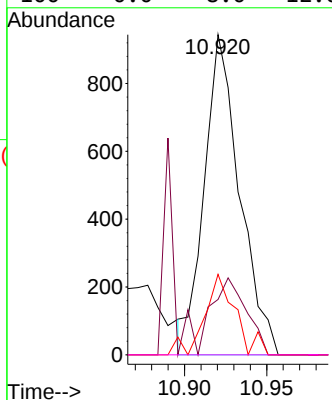


#48
2-Hexanone
Concen: 2.921 ug/L
RT: 10.920 min Scan# 1487
Delta R.T. -0.049 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

Instrument :
MSVOA_W
ClientSampleId :

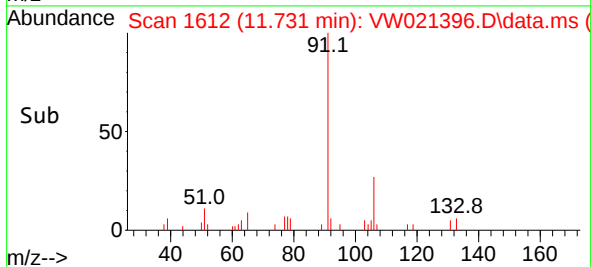
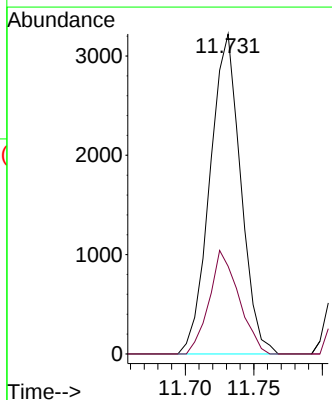
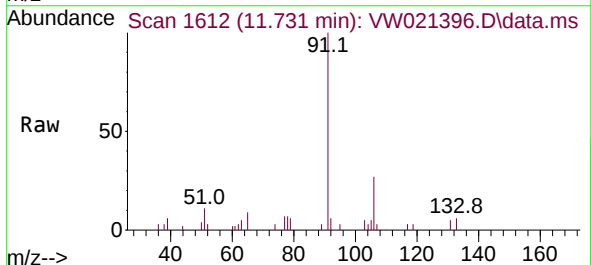


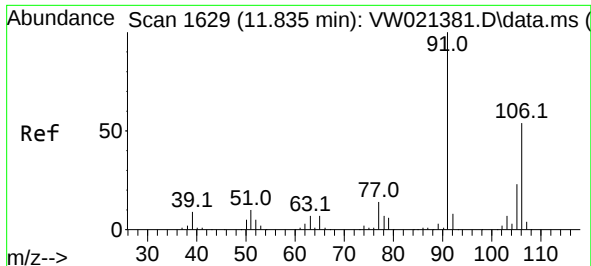
Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
58 23.5 40.2 60.2#
57 18.9 14.3 21.5
100 0.0 8.0 12.0#



#52
Ethylbenzene
Concen: 0.689 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

Tgt Ion: 91 Resp: 5037
Ion Ratio Lower Upper
91 100
106 27.4 21.5 39.9

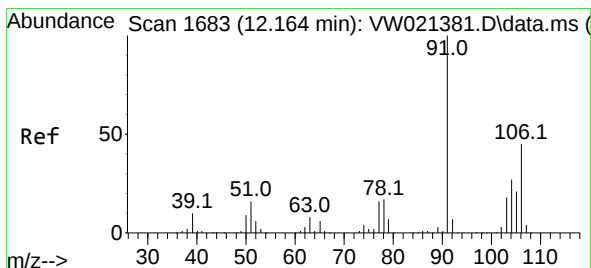
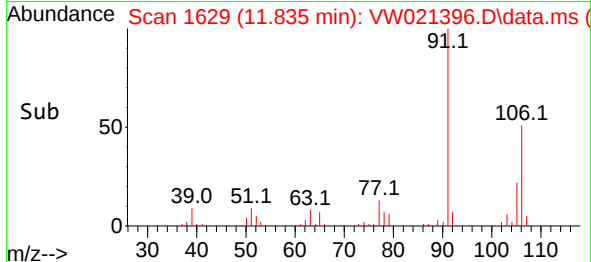
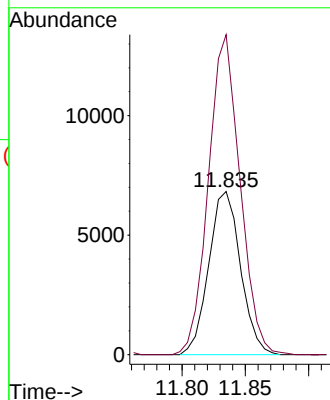
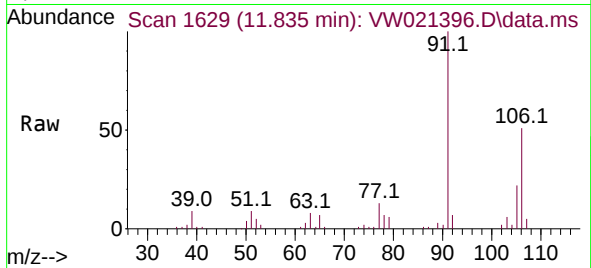




#53
m,p-Xylene
Concen: 4.038 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

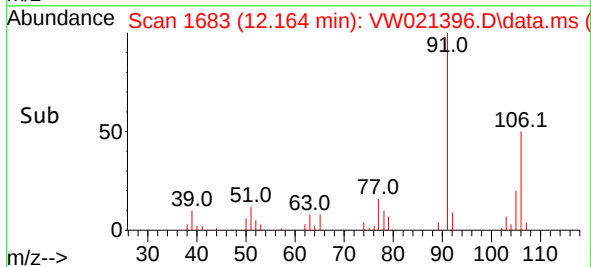
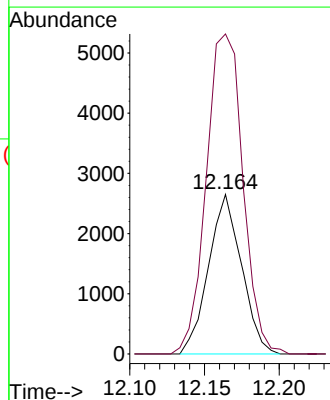
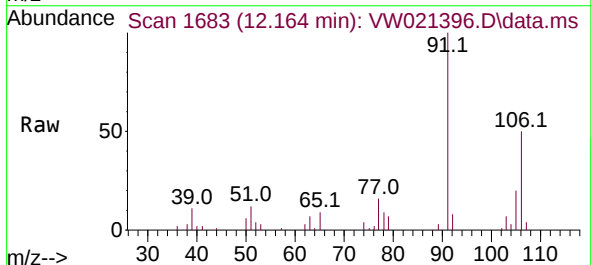
Instrument :
MSVOA_W
ClientSampleId :

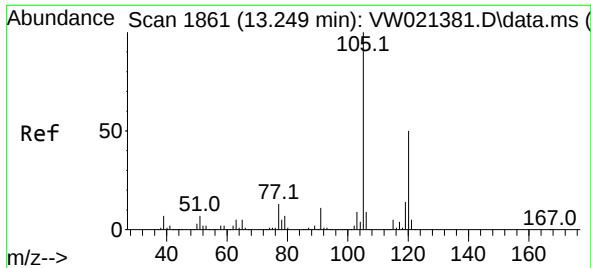
Tgt Ion:106 Resp: 11914
Ion Ratio Lower Upper
106 100
91 196.1 149.9 278.3



#54
o-Xylene
Concen: 1.455 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

Tgt Ion:106 Resp: 4073
Ion Ratio Lower Upper
106 100
91 200.5 153.6 285.3

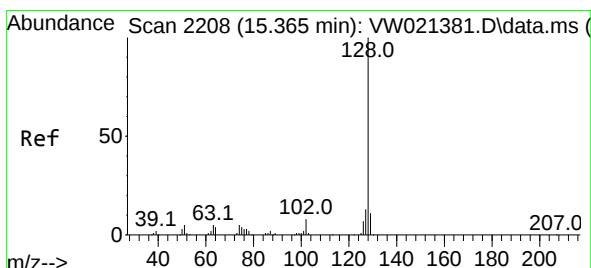
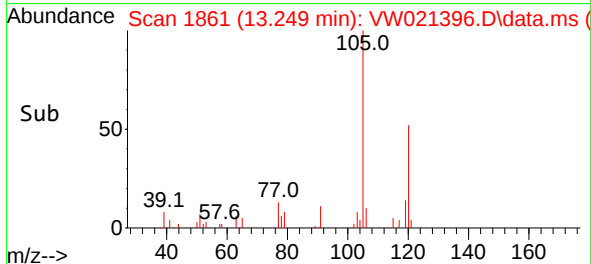
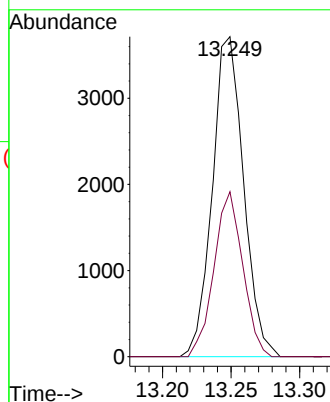
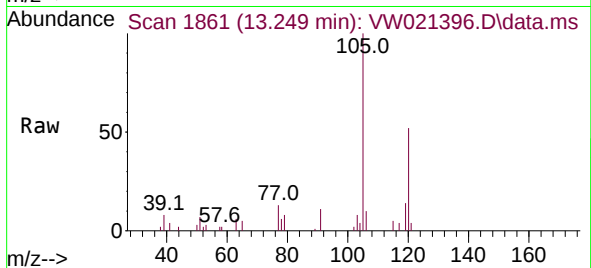




#63
1,2,4-Trimethylbenzene
Concen: 0.832 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 5891
Ion Ratio Lower Upper
105 100
120 47.5 35.0 52.6



#71
Naphthalene
Concen: 1.341 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW021396.D
Acq: 15 Dec 2021 17:54

Tgt Ion:128 Resp: 5212
Ion Ratio Lower Upper
128 100
127 12.6 10.7 16.1
129 10.9 8.6 12.8

