

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092321\
 Data File : VW020173.D
 Acq On : 24 Sep 2021 03:23
 Operator : SY/VA
 Sample : M3874-13
 Misc : 4.97g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 24 04:13:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 24 02:49:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	298531	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	239065	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	70172	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	123481	20.219	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	80.880%	
7) Chloroethane-d5	2.897	69	106514	23.151	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	92.600%	
11) 1,1-Dichloroethene-d2	4.025	63	142696	14.923	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	59.680%	
21) 2-Butanone-d5	7.086	46	40695	43.181	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	86.360%	
24) Chloroform-d	7.653	84	226639	24.140	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	96.560%	
26) 1,2-Dichloroethane-d4	8.311	65	116701	23.095	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	92.400%	
32) Benzene-d6	8.281	84	400145	26.236	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	104.960%	
36) 1,2-Dichloropropane-d6	9.274	67	126180	28.586	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	114.360%	
41) Toluene-d8	10.329	98	354447	25.541	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	102.160%	
43) trans-1,3-Dichloroprop...	10.579	79	33568	17.793	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	71.160%	
47) 2-Hexanone-d5	10.926	63	32085	52.526	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	105.060%	
56) 1,1,2,2-Tetrachloroeth...	12.694	84	77037	22.626	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	90.520%	
66) 1,2-Dichlorobenzene-d4	13.853	152	60665	23.056	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	92.240%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.367	62	2234	0.393	ug/L #	1
13) Acetone	4.129	43	26061	32.288	ug/L	100
14) Carbon disulfide	4.397	76	11847	0.952	ug/L	96
16) Methylene chloride	4.921	84	15753	2.990	ug/L	96
20) cis-1,2-Dichloroethene	7.177	96	2762	0.651	ug/L	98
22) 2-Butanone	7.177	43	9733	9.295	ug/L	95
29) Cyclohexane	7.957	56	3253	0.612	ug/L	93
33) Benzene	8.329	78	19958	1.383	ug/L	100
34) Trichloroethene	9.091	95	1688	0.437	ug/L	89
35) Methylcyclohexane	9.341	83	39812	6.326	ug/L #	84
39) cis-1,3-Dichloropropene	10.036	75	2809	0.533	ug/L	84
42) Toluene	10.384	91	8185	0.534	ug/L	80
45) 1,1,2-Trichloroethane	10.762	97	62175	23.728	ug/L #	22
50) 1,2-Dibromoethane	11.231	107	793	0.322	ug/L #	1
52) Ethylbenzene	11.731	91	9494	0.562	ug/L	93
53) m,p-Xylene	11.841	106	132426	20.574	ug/L	95
54) o-Xylene	12.164	106	4114	0.691	ug/L	93
60) Isopropylbenzene	12.463	105	13868	1.474	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Fri Sep 24 02:49:39 2021
Response via : Initial Calibration

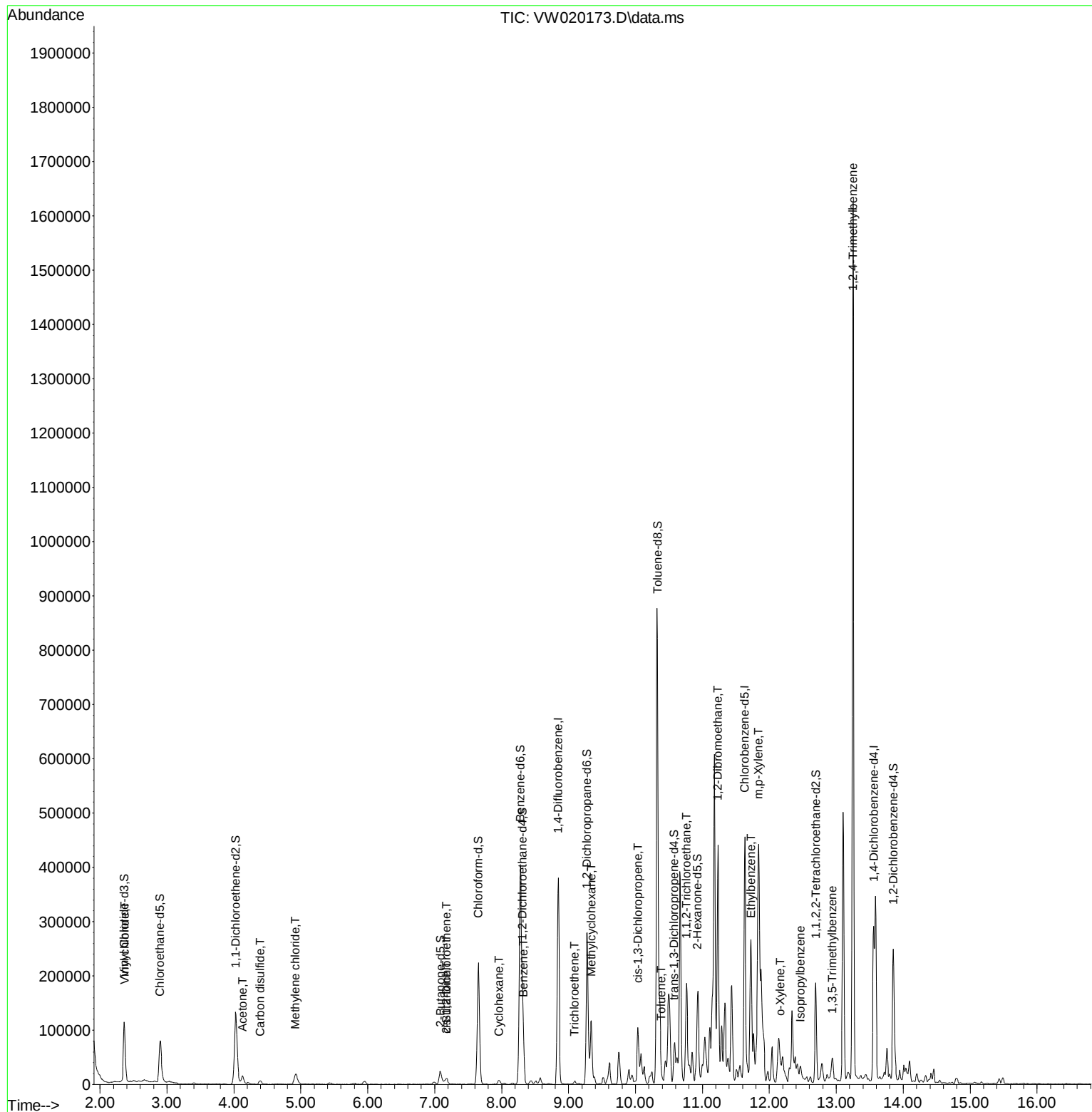
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.944	105	10461	1.355	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	858717	113.208	ug/L	98

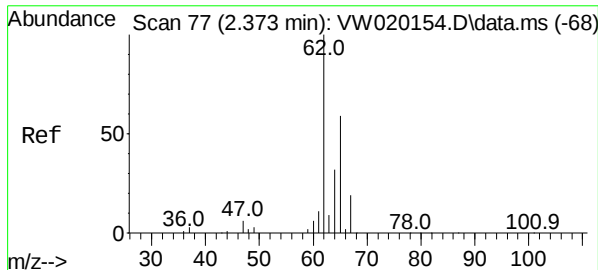
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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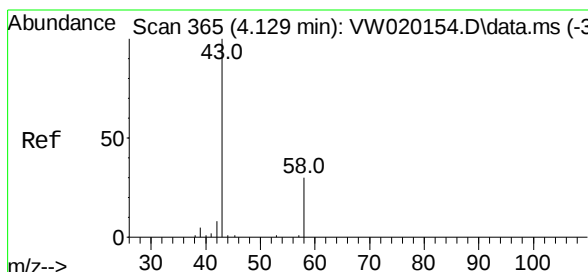
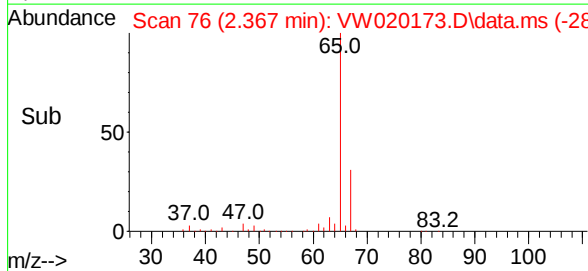
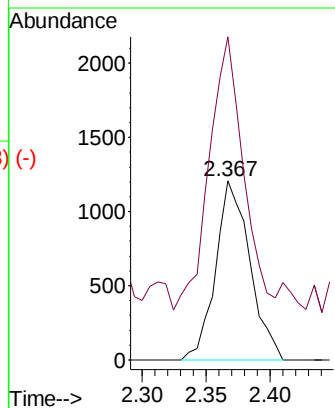
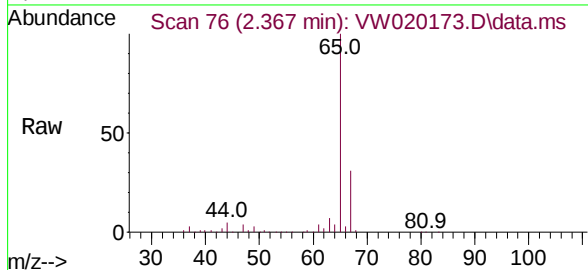




Vinyl chloride
Concen: 0.393 ug/L
RT: 2.367 min Scan# 76
Delta R.T. -0.006 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

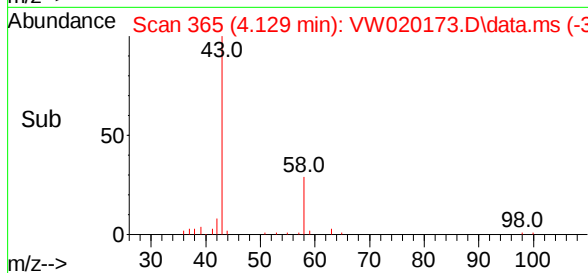
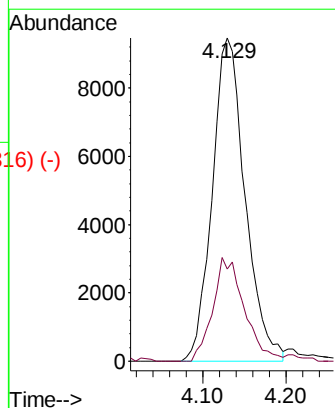
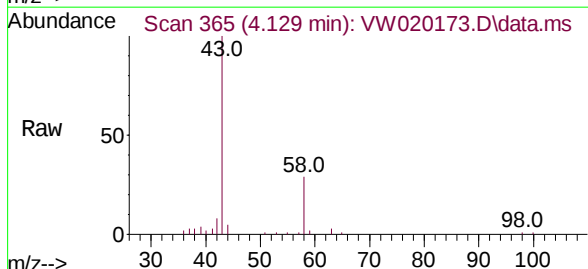
Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 62 Resp: 2234
Ion Ratio Lower Upper
62 100
64 180.3 24.5 45.5#

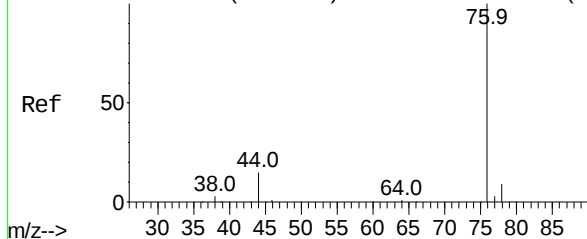


Acetone
Concen: 32.288 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.000 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

Tgt Ion: 43 Resp: 26061
Ion Ratio Lower Upper
43 100
58 30.7 0.0 61.6



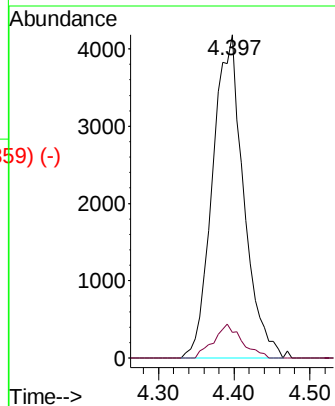
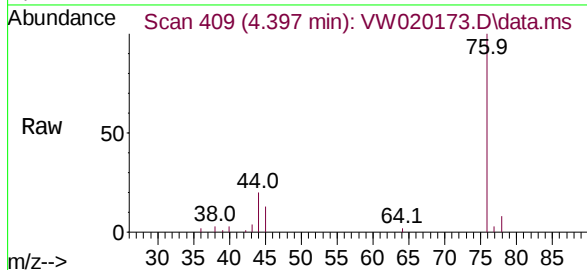
Abundance Scan 408 (4.391 min): VW020154.D\data.ms (-396) #14



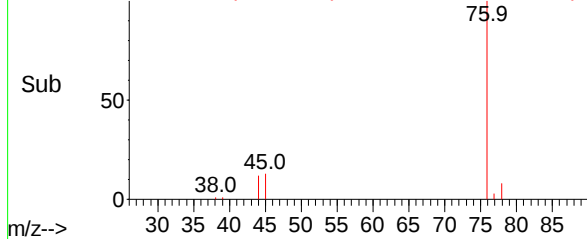
Carbon disulfide
Concen: 0.952 ug/L
RT: 4.397 min Scan# 409
Delta R.T. 0.006 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

Instrument :
MSVOA_W
ClientSampled :

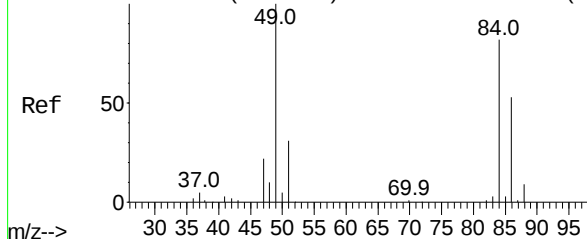
Tgt Ion: 76 Resp: 11847
Ion Ratio Lower Upper
76 100
78 7.9 7.5 11.3



Abundance Scan 409 (4.397 min): VW020173.D\data.ms (-359) (-)

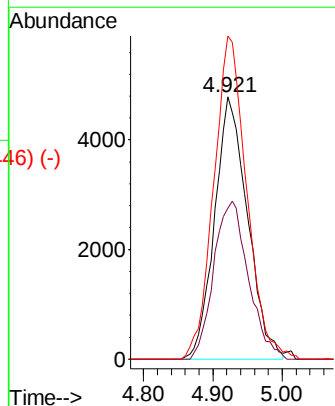
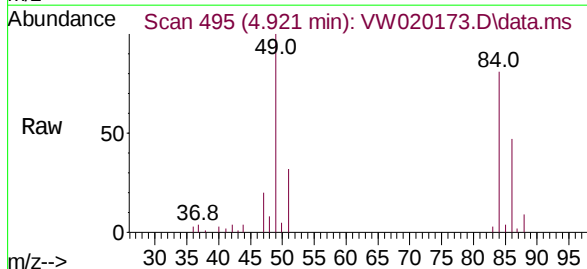


Abundance Scan 495 (4.921 min): VW020154.D\data.ms (-482) #16

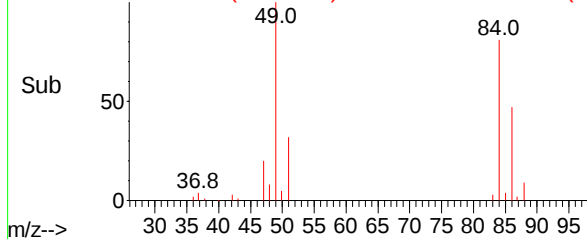


Methylene chloride
Concen: 2.990 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

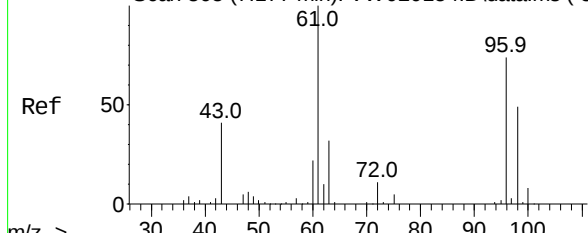
Tgt Ion: 84 Resp: 15753
Ion Ratio Lower Upper
84 100
86 57.5 42.6 79.0
49 123.1 83.4 154.8



Abundance Scan 495 (4.921 min): VW020173.D\data.ms (-446) (-)



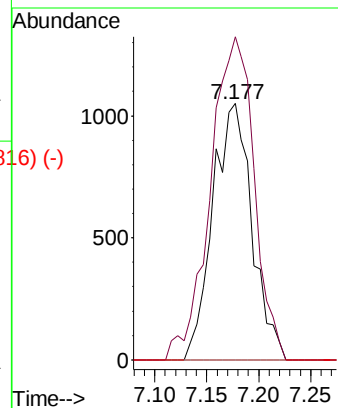
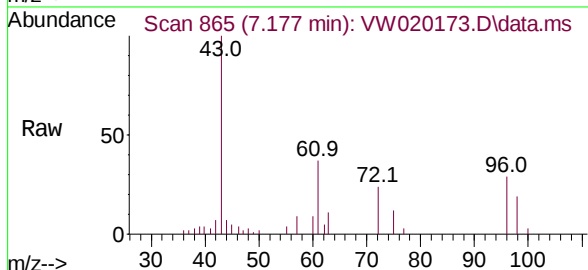
Abundance Scan 865 (7.177 min): VW020154.D\data.ms (-853) #20



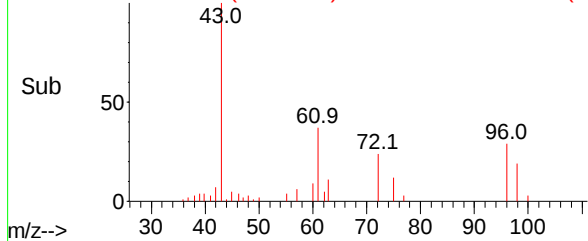
cis-1,2-Dichloroethene
Concen: 0.651 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.000 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

Instrument :
MSVOA_W
ClientSampleId :

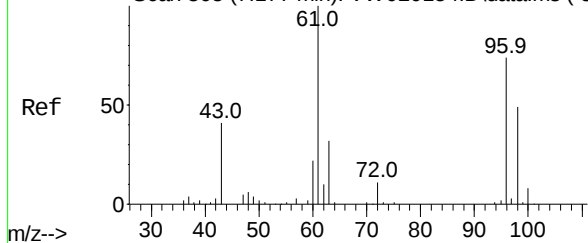
Tgt Ion:	96	Resp:	2762
Ion	Ratio	Lower	Upper
96	100		
61	126.1	89.9	167.0
68	0.0	0.0	0.0



Abundance Scan 865 (7.177 min): VW020173.D\data.ms (-816) (-)

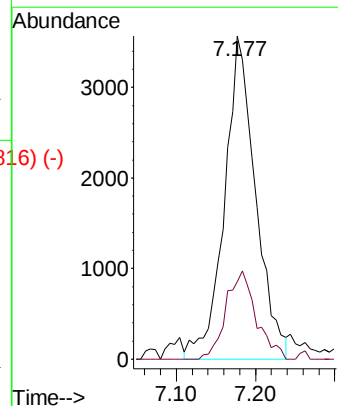
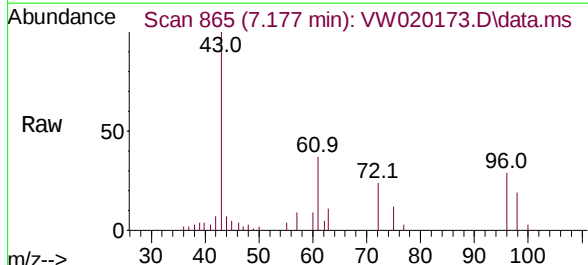


Abundance Scan 865 (7.177 min): VW020154.D\data.ms (-854) #22

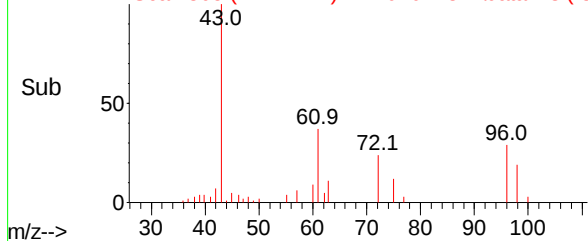


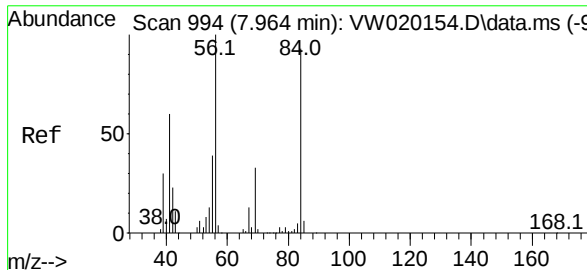
2-Butanone
Concen: 9.295 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.000 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

Tgt Ion:	43	Resp:	9733
Ion	Ratio	Lower	Upper
43	100		
72	25.4	14.1	42.2



Abundance Scan 865 (7.177 min): VW020173.D\data.ms (-816) (-)

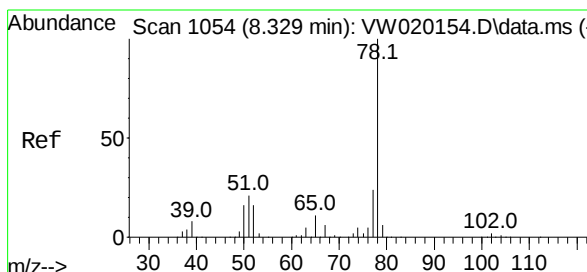
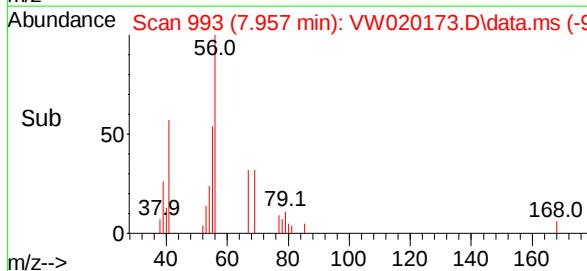
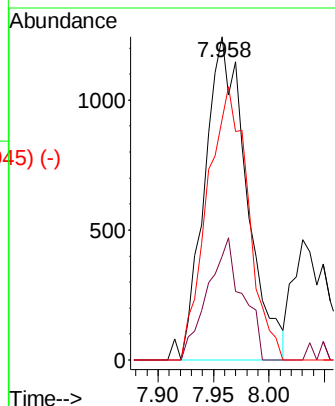
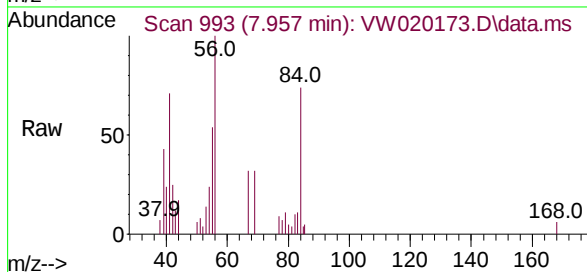




#29
Cyclohexane
Concen: 0.612 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.006 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

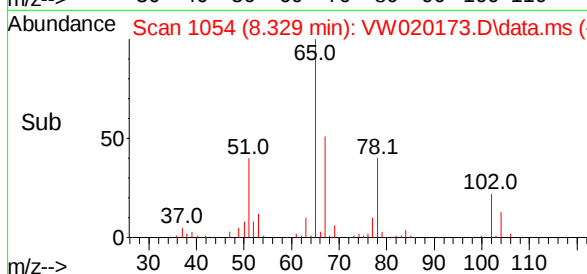
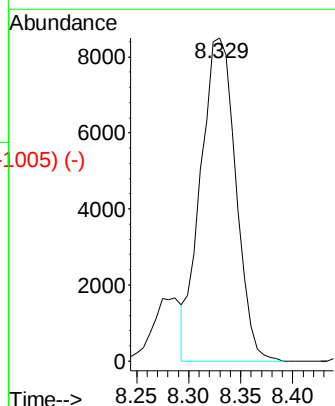
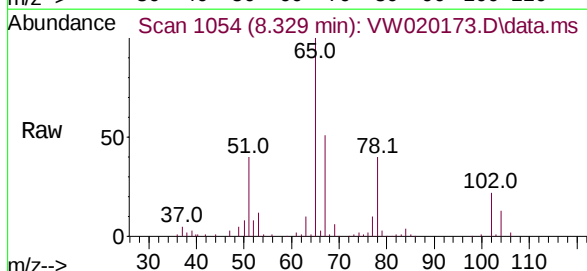
Instrument :
MSVOA_W
ClientSampled :

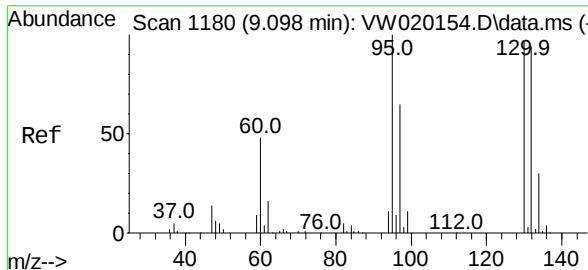
Tgt Ion: 56 Resp: 3253
Ion Ratio Lower Upper
56 100
69 31.5 25.7 38.5
84 83.0 73.4 110.2



#33
Benzene
Concen: 1.383 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

Tgt Ion: 78 Resp: 19958

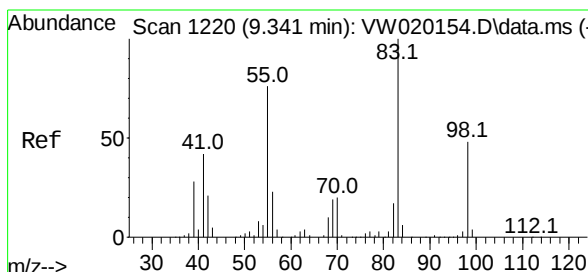
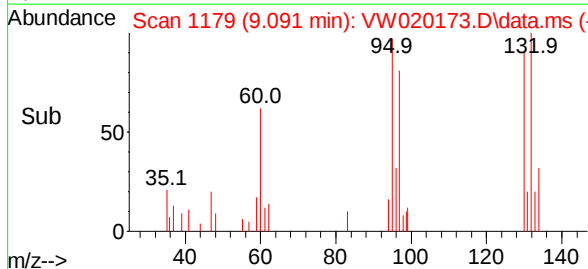
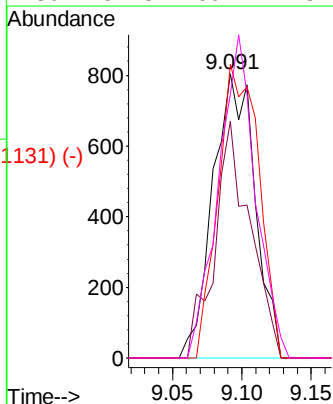
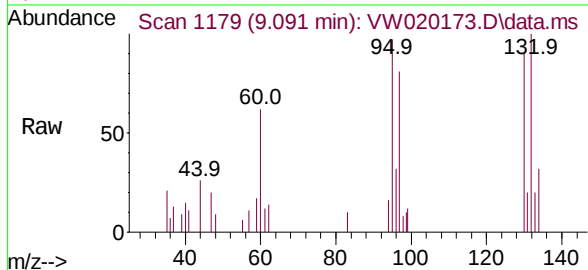




#34 (-)
Trichloroethene
Concen: 0.437 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

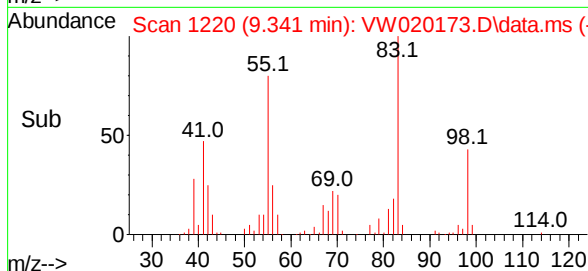
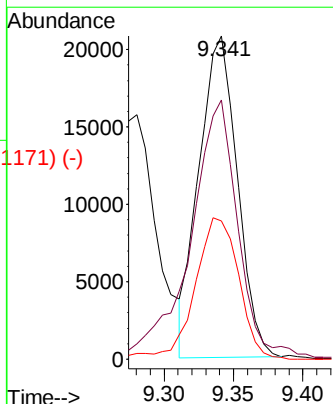
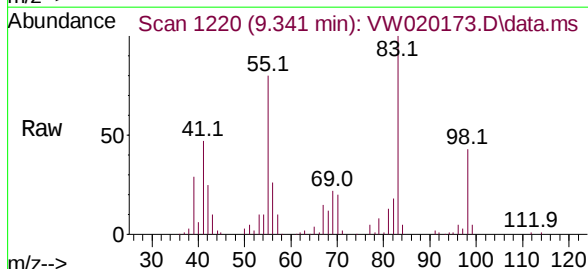
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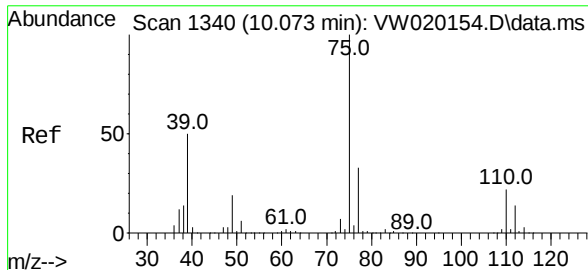
Tgt Ion:	95	Resp:	1688
Ion	Ratio	Lower	Upper
95	100		
97	83.4	45.1	83.7
132	103.4	67.9	126.1
130	92.8	69.1	128.3



#35 (-)
Methylcyclohexane
Concen: 6.326 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.000 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

Tgt Ion:	83	Resp:	39812
Ion	Ratio	Lower	Upper
83	100		
55	98.1	61.4	92.2#
98	49.1	38.1	57.1

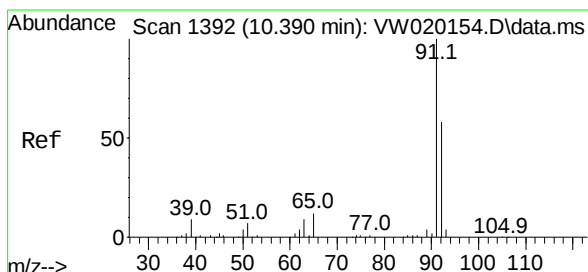
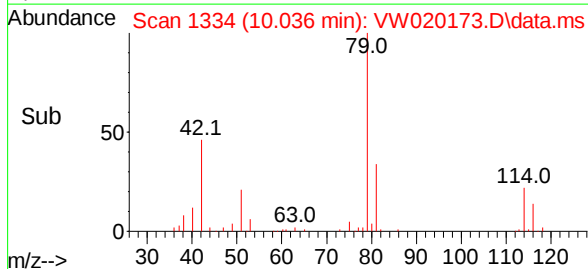
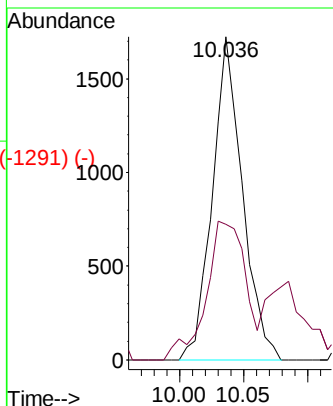
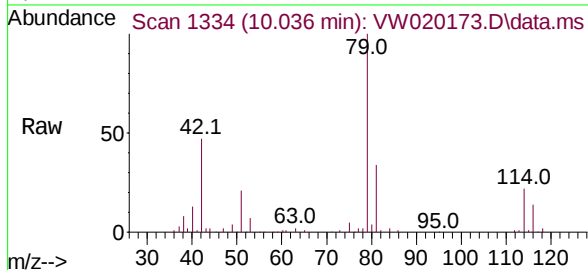




cis-1,3-Dichloropropene
Concen: 0.533 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

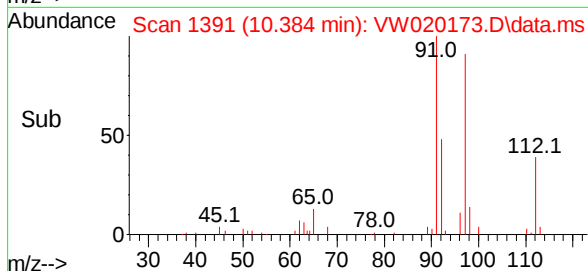
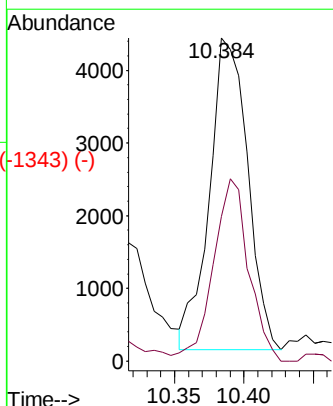
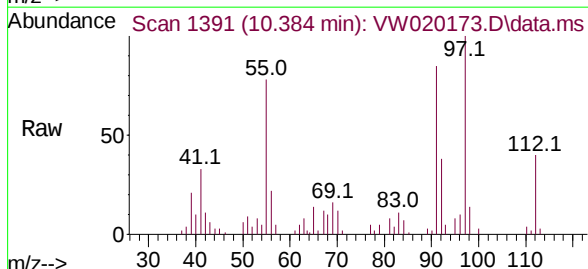
Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 75 Resp: 2809
Ion Ratio Lower Upper
75 100
77 41.9 23.0 42.6



Toluene
Concen: 0.534 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

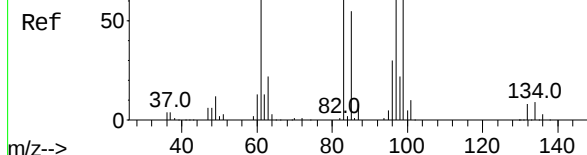
Tgt Ion: 91 Resp: 8185
Ion Ratio Lower Upper
91 100
92 44.8 42.2 78.4



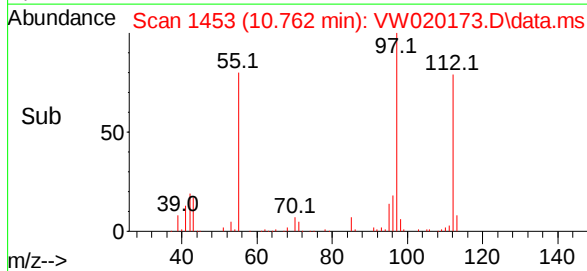
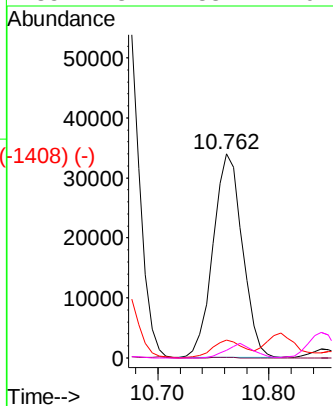
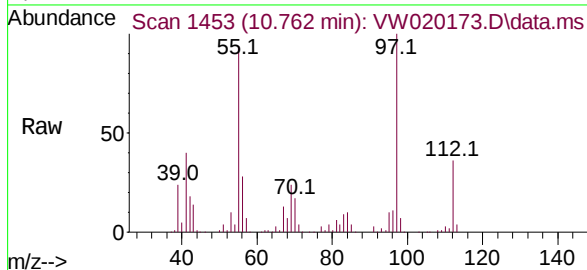
Abundance Scan 1457 (10.786 min): VW020154.D\data.ms (-1445) (-)

1,1,2-Trichloroethane
Concen: 23.728 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

Instrument :
MSVOA_W
ClientSampled :

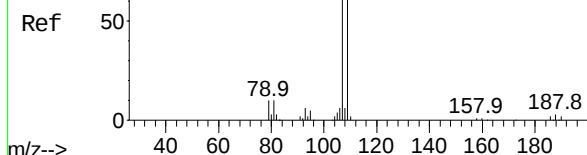


Tgt Ion:	97	Resp:	62175
Ion	Ratio	Lower	Upper
97	100		
99	0.2	42.0	78.0#
83	8.7	58.7	108.9#
85	3.7	38.1	70.7#

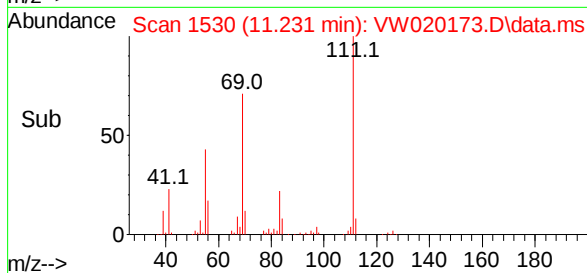
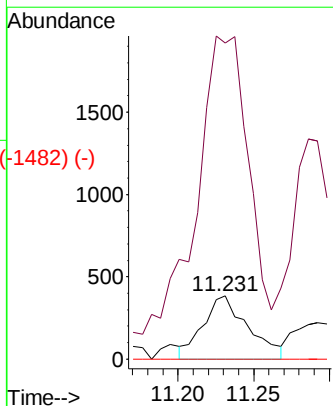
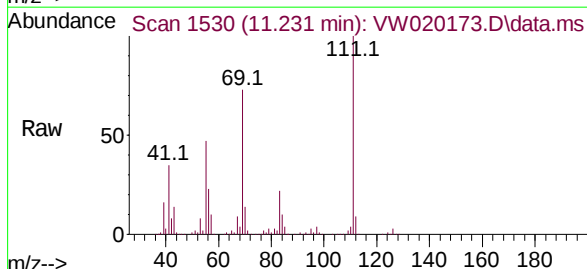


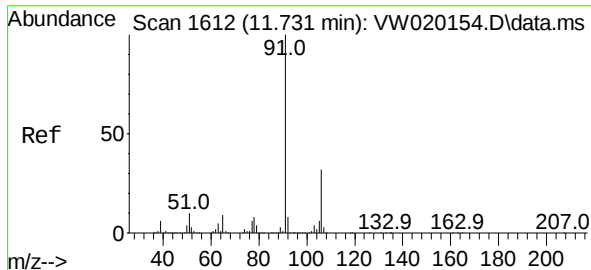
Abundance Scan 1531 (11.237 min): VW020154.D\data.ms (-1550) (-)

1,2-Dibromoethane
Concen: 0.322 ug/L
RT: 11.231 min Scan# 1530
Delta R.T. -0.006 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23



Tgt Ion:	107	Resp:	793
Ion	Ratio	Lower	Upper
107	100		
109	499.2	64.1	119.1#
188	0.0	3.0	4.4#

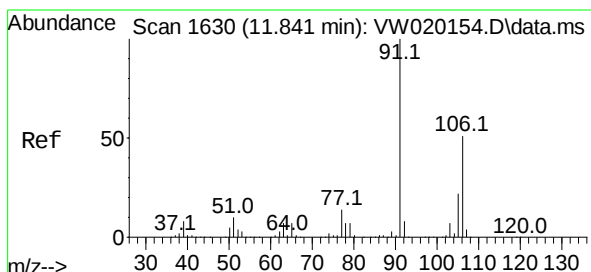
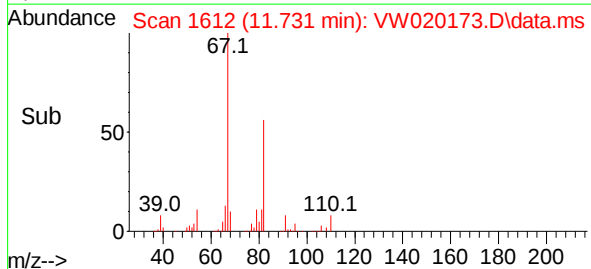
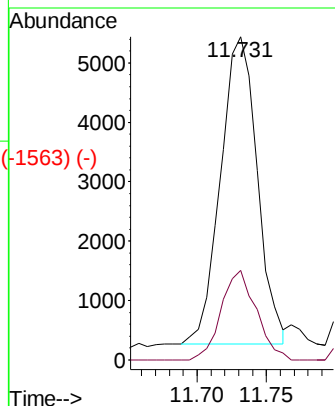
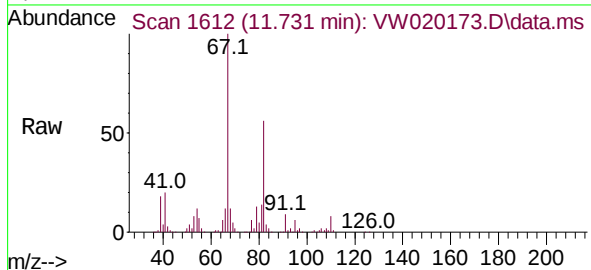




Ethylbenzene
Concen: 0.562 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

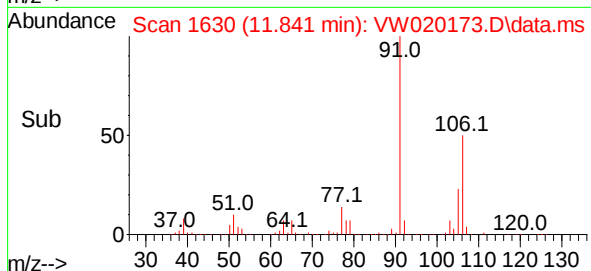
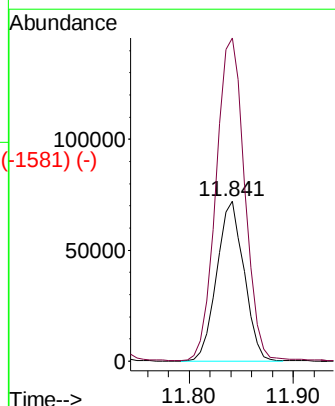
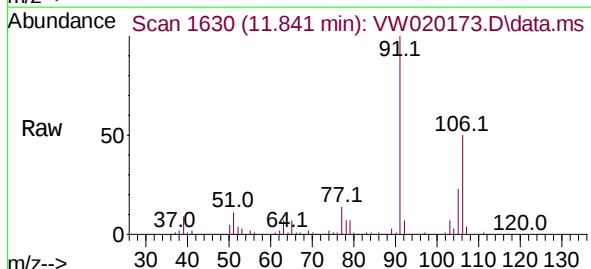
Instrument :
MSVOA_W
ClientSampled :

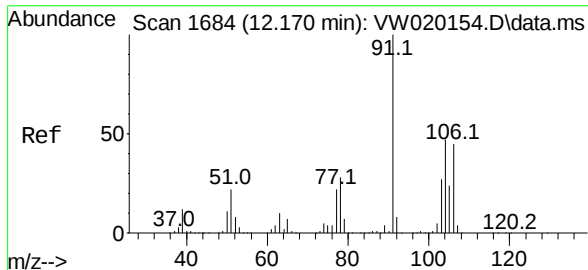
Tgt Ion: 91 Resp: 9494
Ion Ratio Lower Upper
91 100
106 27.7 22.0 40.8



m,p-Xylene
Concen: 20.574 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW020173.D
Acq: 24 Sep 2021 03:23

Tgt Ion:106 Resp: 132426
Ion Ratio Lower Upper
106 100
91 201.8 146.4 271.8

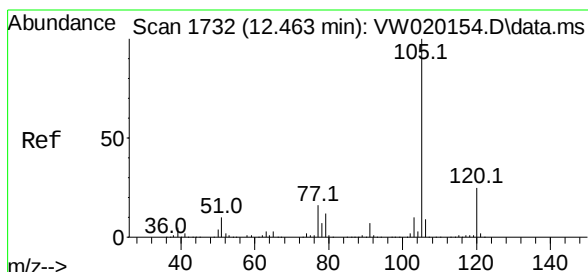
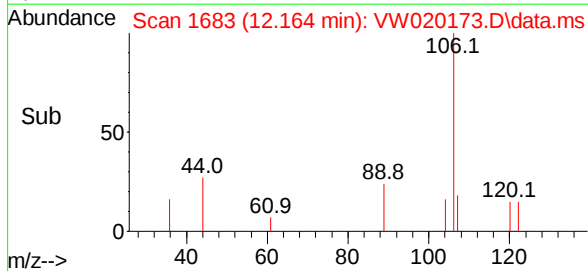
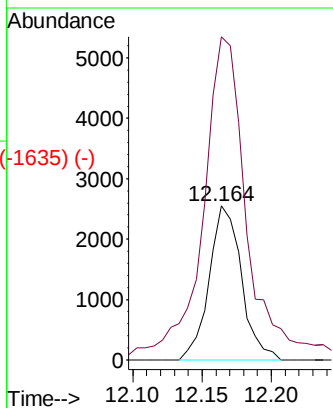
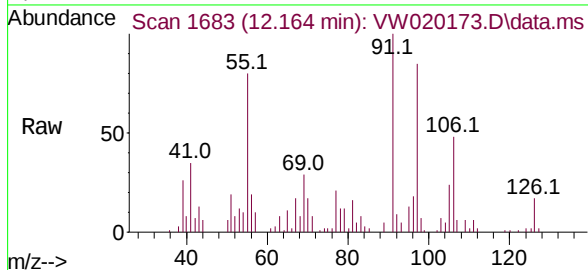




Scan 1684 (12.170 min): VW020154.D\data.ms (-1654) (-)
 o-Xylene
 Concen: 0.691 ug/L
 RT: 12.164 min Scan# 1683
 Delta R.T. -0.006 min
 Lab File: VW020173.D
 Acq: 24 Sep 2021 03:23

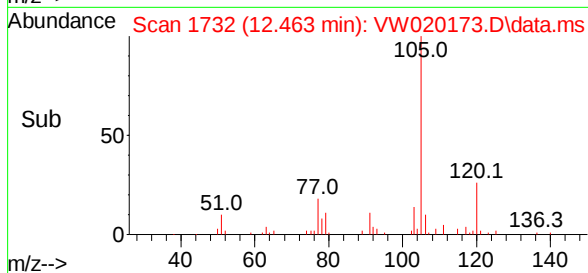
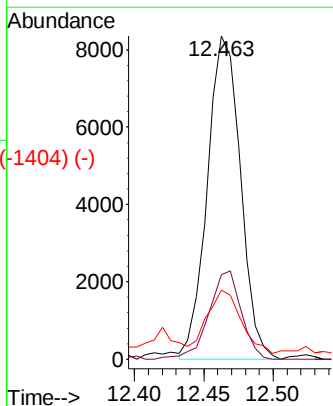
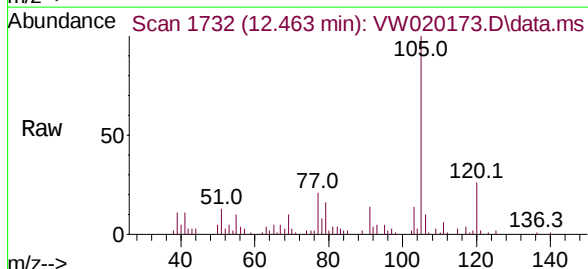
Instrument :
 MSVOA_W
 ClientSampled :

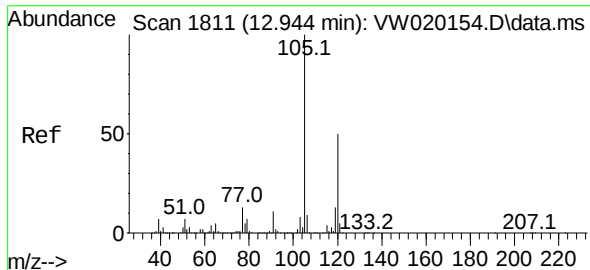
Tgt Ion:106 Resp: 4114
 Ion Ratio Lower Upper
 106 100
 91 209.4 154.3 286.7



Scan 1732 (12.463 min): VW020154.D\data.ms (-1720) (-)
 Isopropylbenzene
 Concen: 1.474 ug/L
 RT: 12.463 min Scan# 1732
 Delta R.T. 0.000 min
 Lab File: VW020173.D
 Acq: 24 Sep 2021 03:23

Tgt Ion:105 Resp: 13868
 Ion Ratio Lower Upper
 105 100
 120 26.6 20.9 31.3
 77 19.8 13.3 19.9

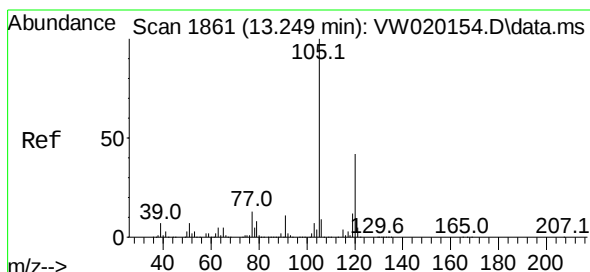
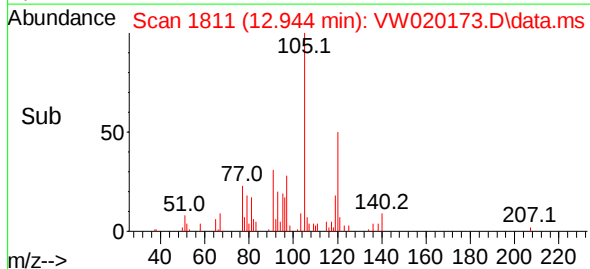
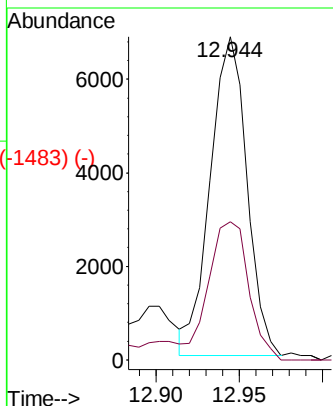
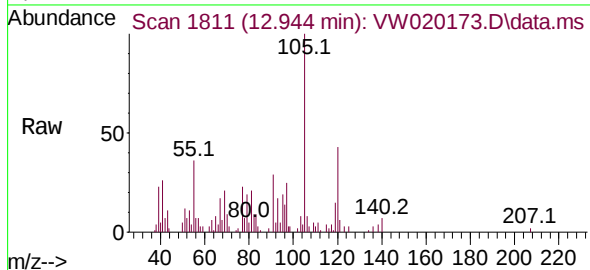




Scan 1811 (12.944 min): VW020154.D\data.ms (-1062) (-)
 1,3,5-Trimethylbenzene
 Concen: 1.355 ug/L
 RT: 12.944 min Scan# 1811
 Delta R.T. 0.000 min
 Lab File: VW020173.D
 Acq: 24 Sep 2021 03:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:105 Resp: 10461
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.0 57.0



Scan 1861 (13.249 min): VW020154.D\data.ms (-1063) (-)
 1,2,4-Trimethylbenzene
 Concen: 113.208 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: VW020173.D
 Acq: 24 Sep 2021 03:23

Tgt Ion:105 Resp: 858717
 Ion Ratio Lower Upper
 105 100
 120 43.9 36.2 54.4

